

EXHIBIT B



UNITED STATES PATENT AND TRADEMARK OFFICE

Assignment abstract of title for Application 10128821

Invention title/Inventor TIME AND FREQUENCY SYNCHRONIZATION IN MULTI-INPUT, MULTI-OUTPUT (MIMO) SYSTEMS Apurva N. Mody, Gordon L. Stuber	Patent 7088782 Aug 08, 2006	Publication 20020181509 Dec 05, 2002	Application 10128821 Apr 24, 2002	PCT International registration
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Assignments (6 of 6 total)

Assignment 6

Reel/frame 046405/0369	Execution date Jun 29, 2018	Date recorded Jul 19, 2018	Properties 6	Pages 6
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Conveyance

ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

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Assignment 5

Reel/frame 046274/0778	Execution date Jun 01, 2018	Date recorded Jul 05, 2018	Properties 3	Pages 3
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Assignment 4

Reel/frame 037358/0869	Execution date Aug 27, 2015	Date recorded Dec 22, 2015	Properties 4	Pages 36
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Conveyance

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Assignment 3

Reel/frame	Execution date	Date recorded	Properties	Pages
022277/0458	Dec 19, 2008	Feb 19, 2009	1	6

Conveyance

ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

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Assignment 2

Reel/frame	Execution date	Date recorded	Properties	Pages
019181/0352	Apr 11, 2007	Apr 19, 2007	1	5

Conveyance

ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

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Assignment 1

Reel/frame	Execution date	Date recorded	Properties	Pages
013062/0528	Jun 20, 2002	Jul 08, 2002	1	5

Conveyance

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